

AO 120 (Rev. 3/04)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---	---


In compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court for the District of Maryland on the following ☒ Patents or ☐ Trademarks:

DOCKET NO. RDB-09-2804	DATE FILED 10/27/09	U.S. DISTRICT COURT FOR THE DISTRICT OF MARYLAND 101 W. Lombard Street, Baltimore, MD 21201
PLAINTIFF Mesh Comm, LLC		DEFENDANT PEPCO ENERGY SERVICES et al
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	7,379,981	
2		
3		
4		
5		

In the above-entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1			
2			
3			
4			
5			

In the above-entitled case, the following decision has been rendered or judgment issued:

DECISION/JUDGMENT		
CLERK Felicia C. Cannon	(BY) DEPUTY CLERK	
		DATE 10/30/09

US 7,379,981 B2

Page 2

U.S. PATENT DOCUMENTS

6,407,991 B1 *	6/2002	Meier	370/338
6,480,505 B1 *	11/2002	Johansson et al.	370/449
6,535,498 B1 *	3/2003	Larsson et al.	370/338
6,577,671 B1 *	6/2003	Vimpari	375/146
6,606,708 B1 *	8/2003	Shiffin et al.	713/201
6,636,894 B1 *	10/2003	Short et al.	709/225
6,697,331 B1 *	2/2004	Riihimäki et al.	370/236
6,711,166 B1	3/2004	Amir et al.	370/395.1
6,714,787 B2	3/2004	Reed et al.	455/445
6,718,137 B1	4/2004	Chin	398/3
6,725,281 B1 *	4/2004	Zintel et al.	719/318
6,728,514 B2	4/2004	Bandeira et al.	455/13.1
6,751,672 B1 *	6/2004	Khalil et al.	709/230
6,826,620 B1	11/2004	Mawhinney et al.	709/235
6,829,216 B1	12/2004	Nakata	370/228

6,829,347 B1	12/2004	Odiaka	379/220.01
6,831,921 B2	12/2004	Higgins	370/401
6,865,185 B1 *	3/2005	Patel et al.	370/412
6,904,025 B1 *	6/2005	Madour et al.	370/328
7,103,511 B2	9/2006	Petite	
2001/0046879 A1 *	11/2001	Schramm et al.	455/525
2002/0012358 A1 *	1/2002	Sato	370/466
2005/0058144 A1 *	3/2005	Ayyagari et al.	370/401

OTHER PUBLICATIONS

Utility Intelligence, <http://www.empoweringintelligence.com/infrastructure.html>, printed from the website on May 12, 2005, 29 pages.
 AMRON Meter Management System, <http://www.amronm5.com/products/>, printed from the website on May 12, 2005, AMRON Technologies, Inc., 41 pages.

* cited by examiner

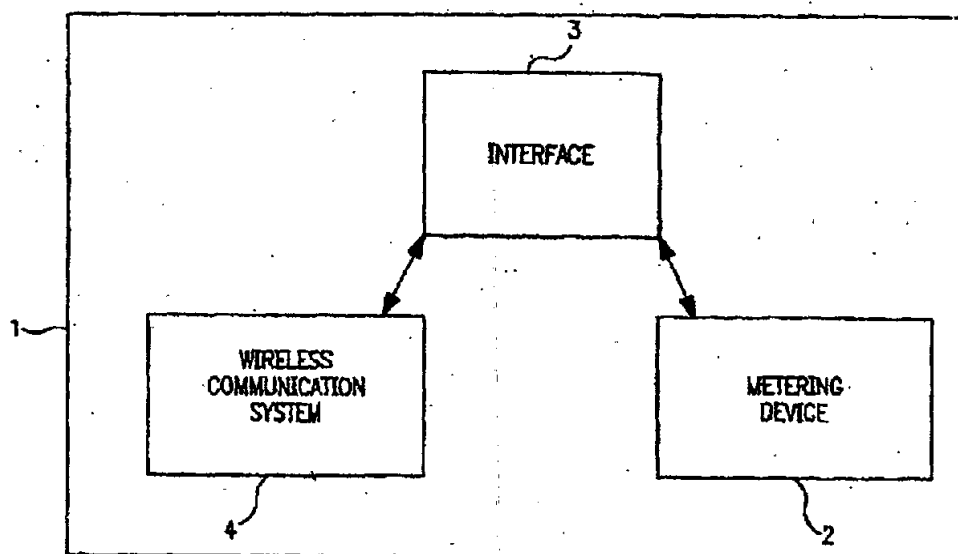


FIG. 1

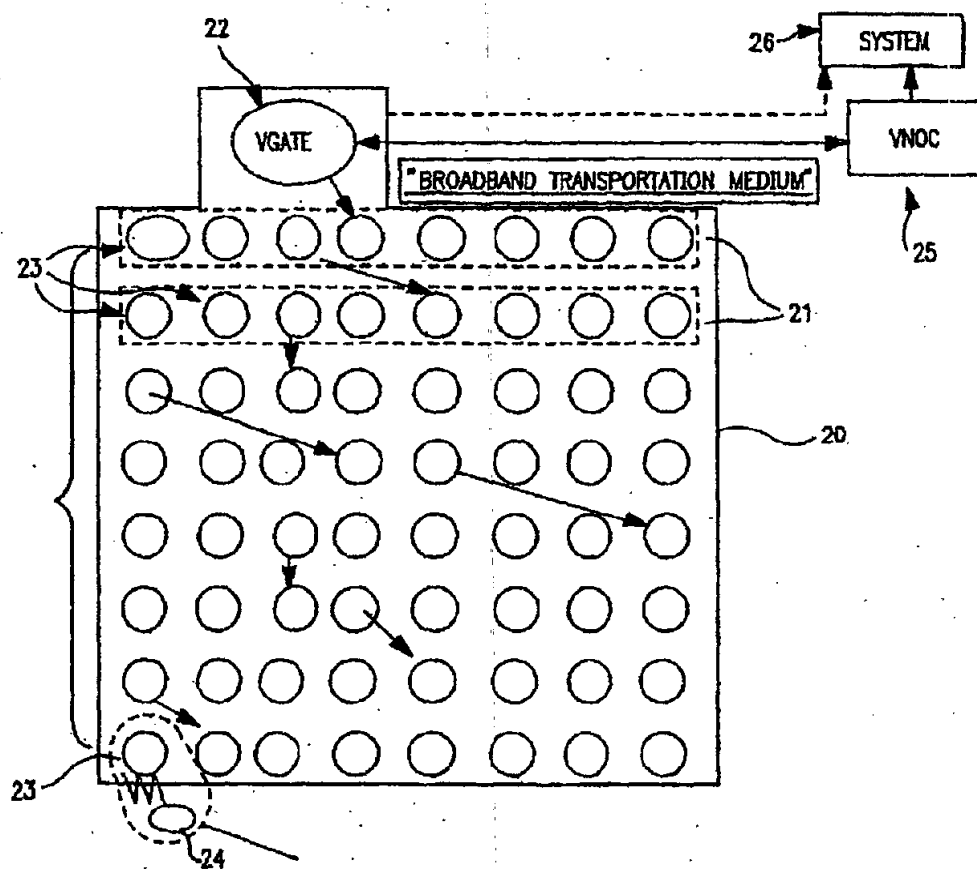
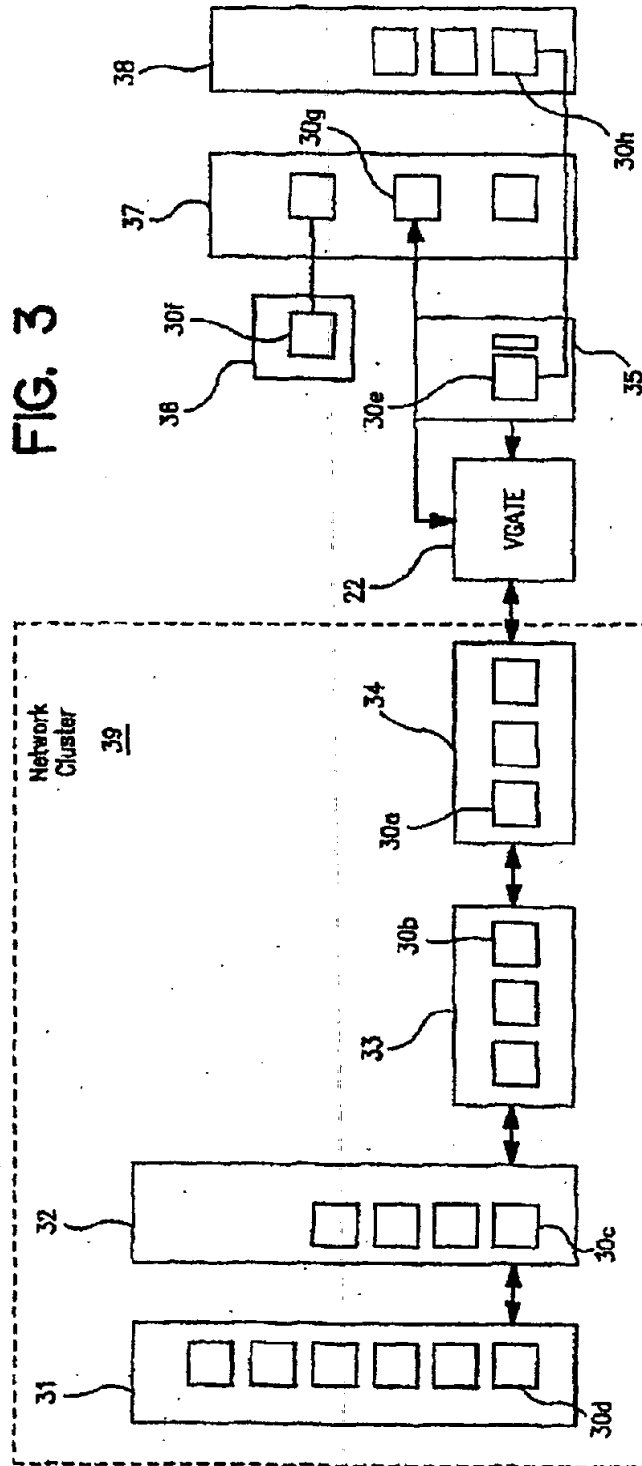


FIG. 2

FIG. 3



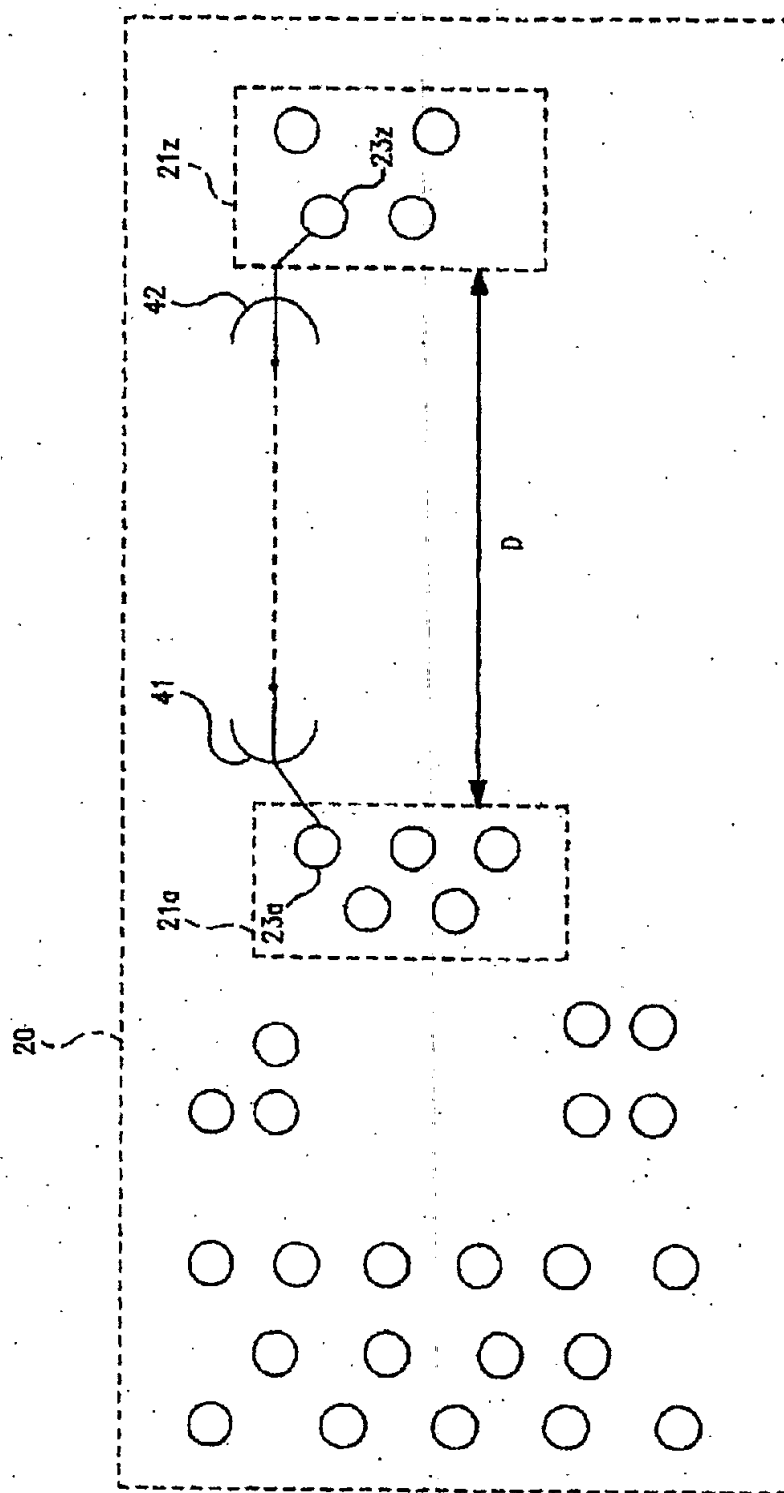
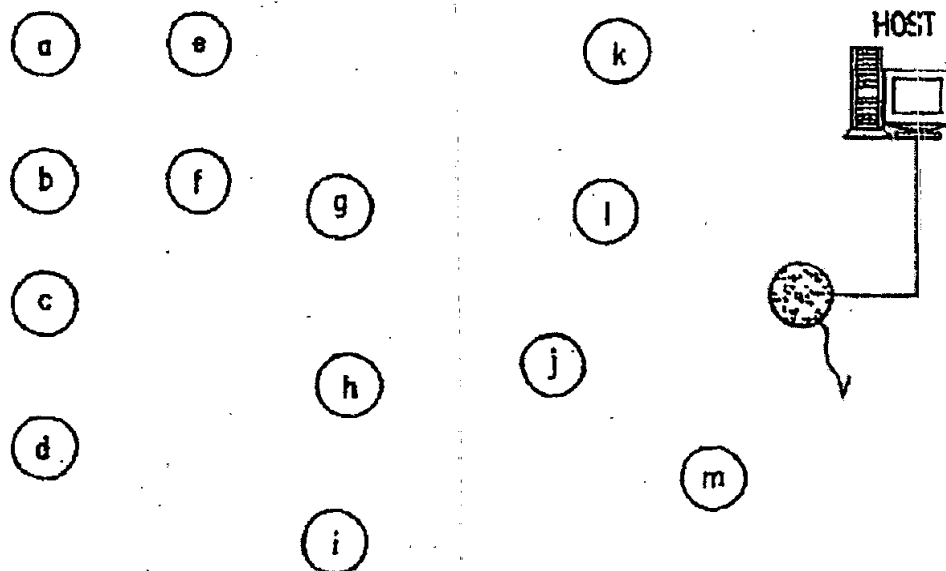
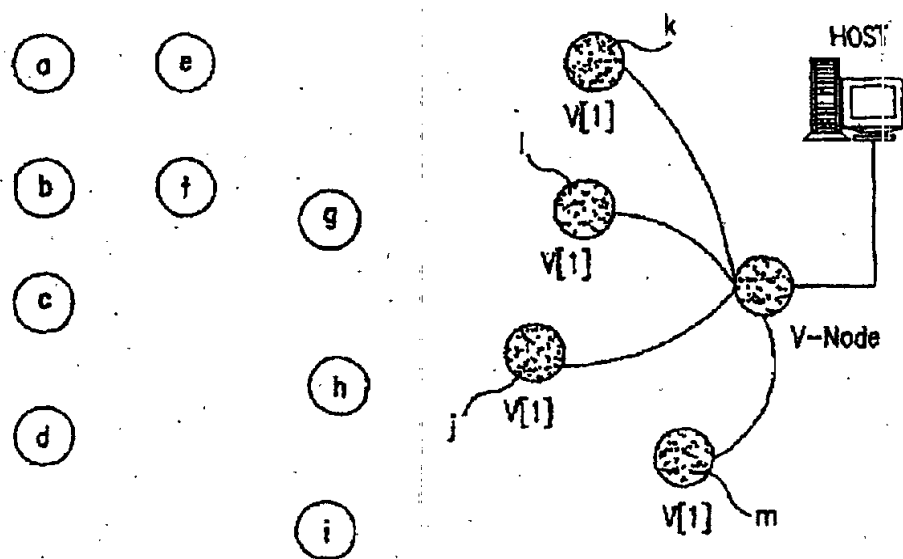


FIG. 4

**STEP 1:**

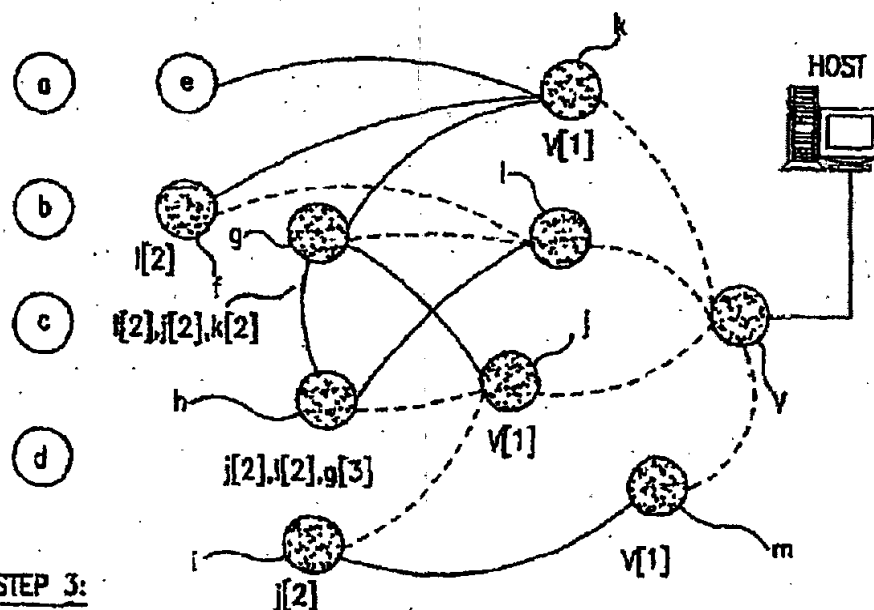
a to m are broadcasting request message after pseudo-random delays. V is broadcasting message identifying itself as a VGATE.

FIG. 5

**STEP 2:**

a to i are still broadcasting request message after pseudo-random delays.
j, k, l and m have route to VGATE with metric 0 configured.
V is broadcasting message identifying itself as a VGATE.

FIG. 6

**STEP 3:**

a to d are still broadcasting request message after pseudo-random delays.
 e has a route to the VGATE, but the metric for it is too high.
 f, g, h, i have multiple routes (based on metric grayed ones are discarded).
 (primary gateways are sent acknowledgement messages)

V is broadcasting messages identifying itself as a VGATE.

FIG. 7

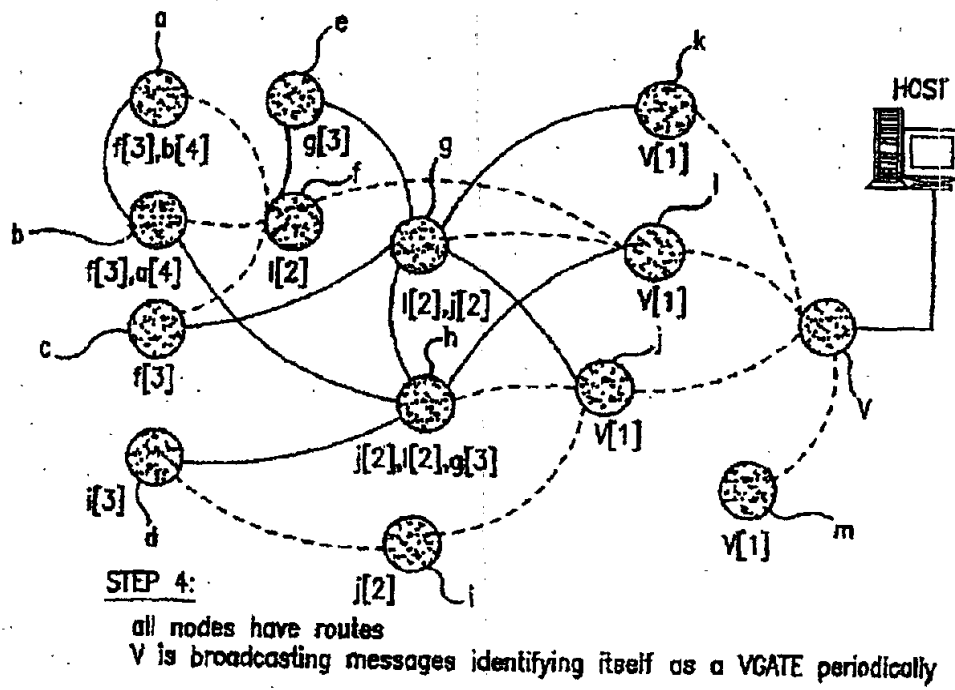
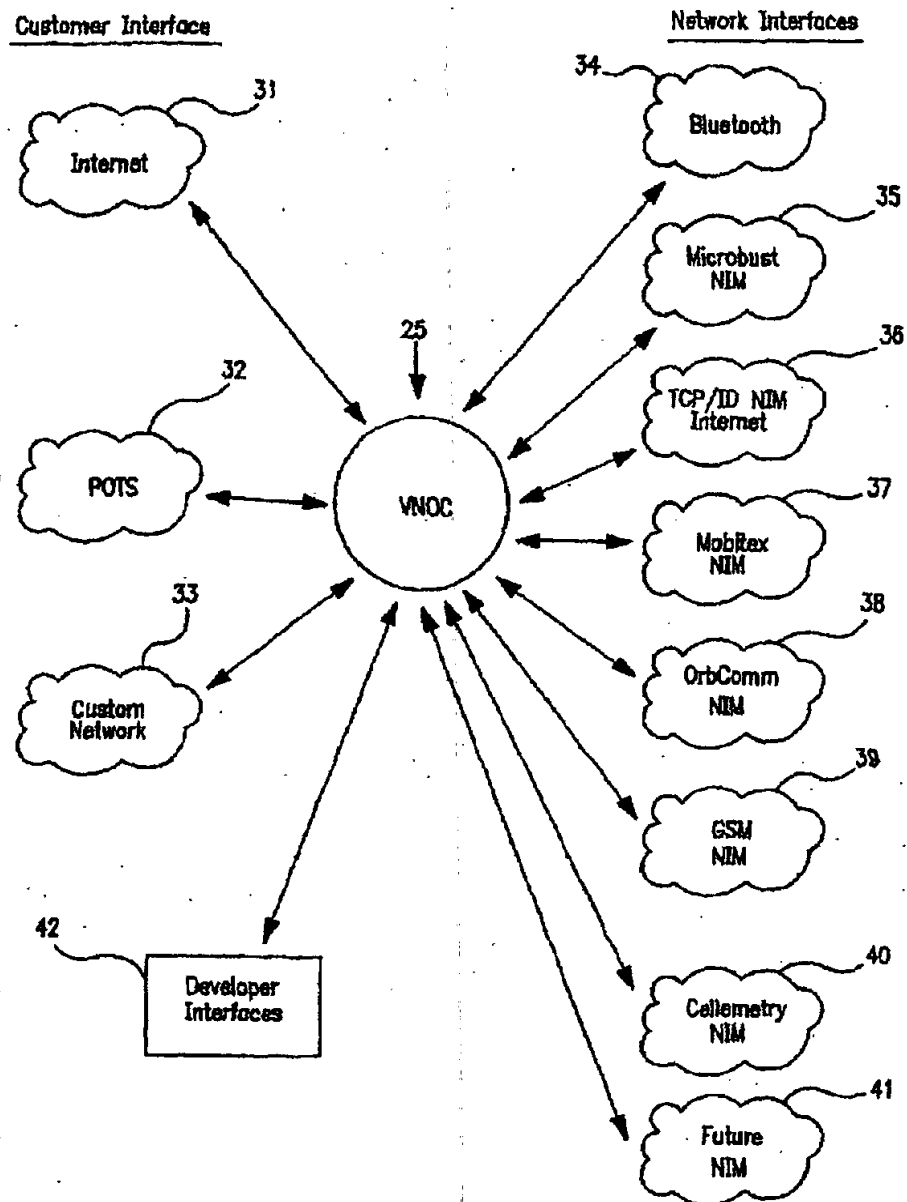


FIG. 8



IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF MARYLAND

NORTHERN DIVISION

MESH COMM, LLC
1162 Fairway Gardens
Atlanta, Georgia 30319

Plaintiff,

v.

PEPCO ENERGY SERVICES
1300 North 17th Street
Suite 1600
Arlington, Virginia 22209

and

PEPCO HOLDINGS, INC.
701 9th Street N.W.
Washington, D.C. 20068

and

SILVER SPRING NETWORKS
555 Broadway Street
Redwood City, California 94063

Defendants.

Civil Action No. _____
COMPLAINT FOR PATENT
INFRINGEMENT

RDB 09CV2804

DEMAND FOR JURY TRIAL

COMPLAINT

Plaintiff Mesh Comm, LLC ("Plaintiff"), for its complaint against Defendants
PEPCO Energy Services ("PEPCO"), PEPCO Holdings, Inc. ("PHI"), and Silver Spring
Networks ("Silver Spring"), collectively as ("Defendants"), hereby demands a jury trial
and alleges as follows:

FILED
U.S. DISTRICT COURT
DISTRICT OF MARYLAND
2009 OCT 27 P 3:42
CLERK'S OFFICE
AT BALTIMORE
BY _____ DEPUTY

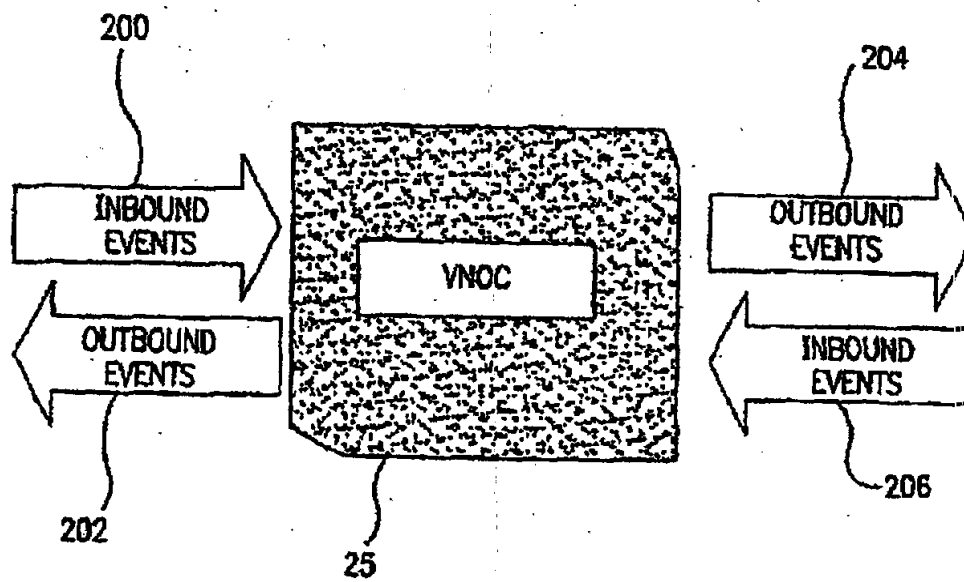
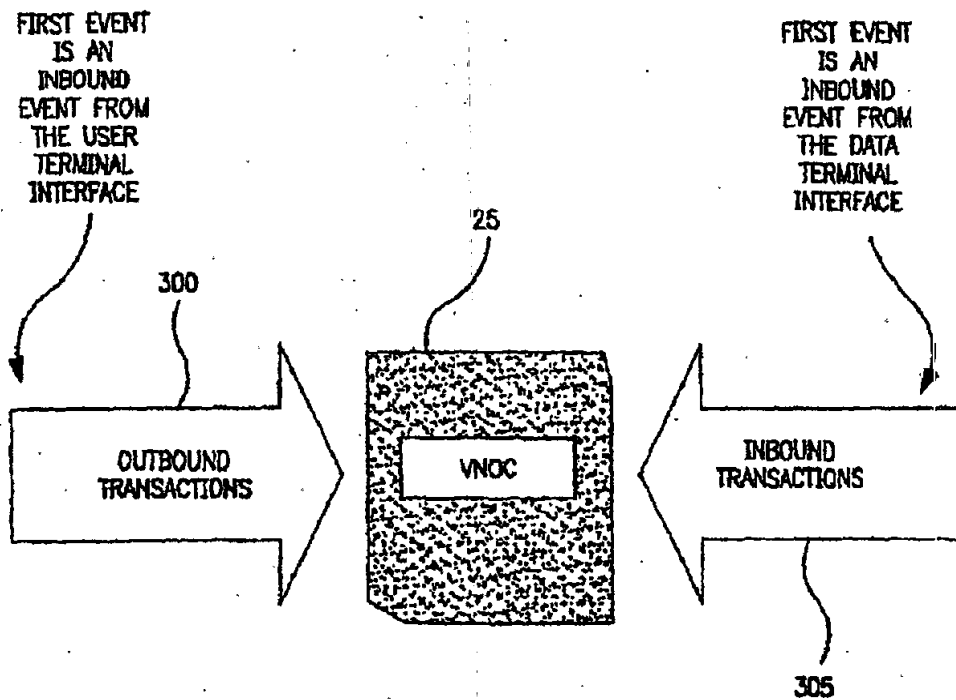


FIG. 10

**FIG. 11**

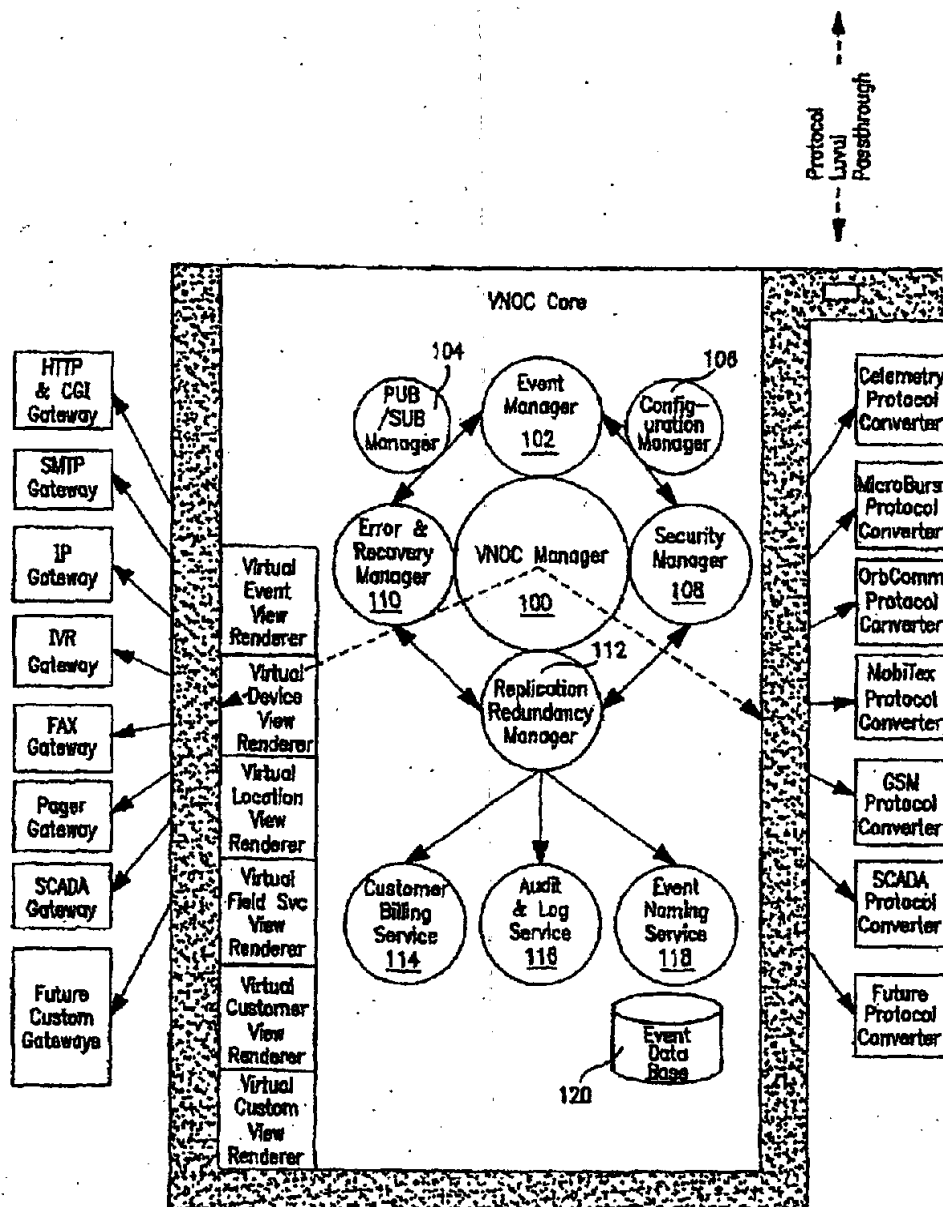


FIG. 12

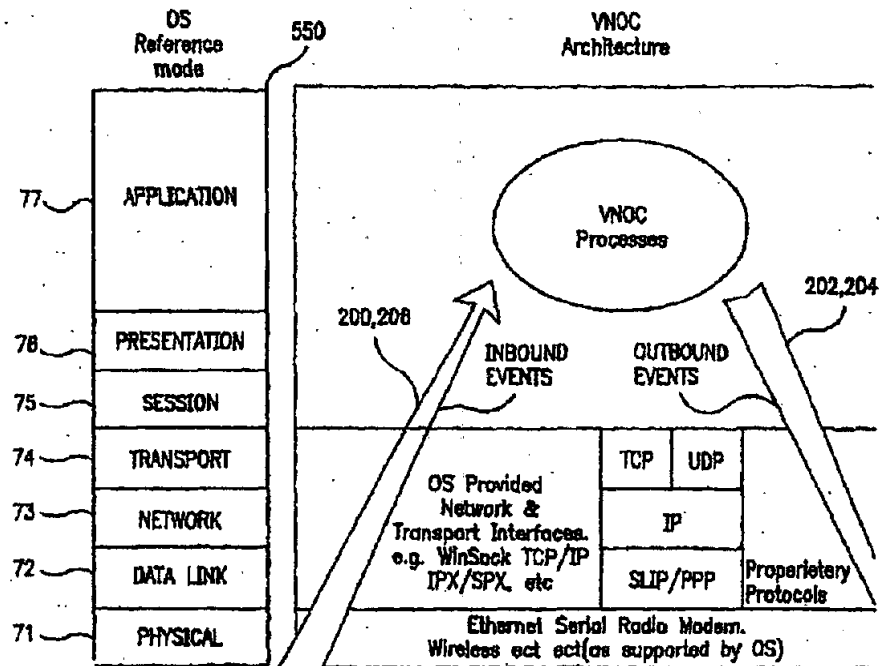


FIG. 13A

Network architecture based on the OSI model

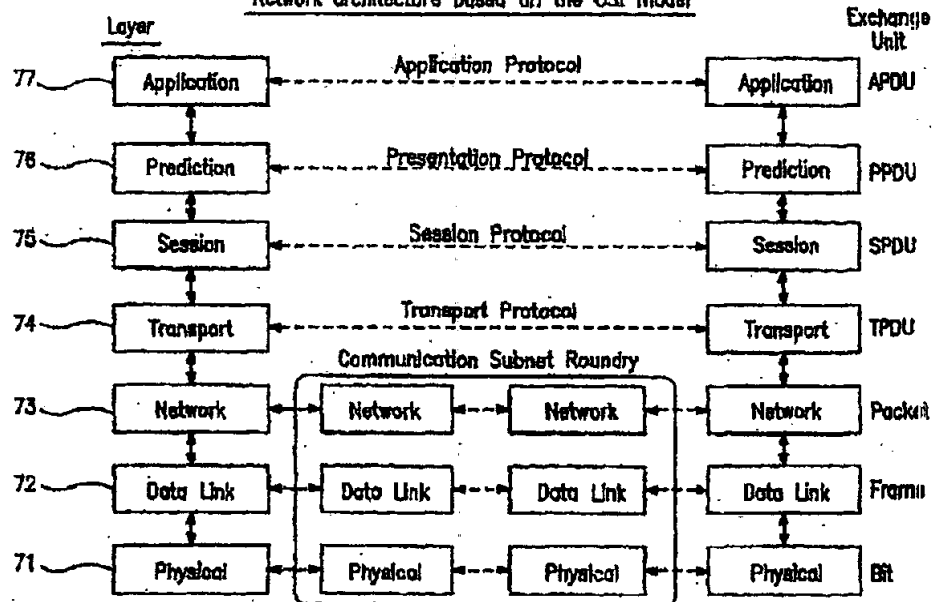


FIG. 13B

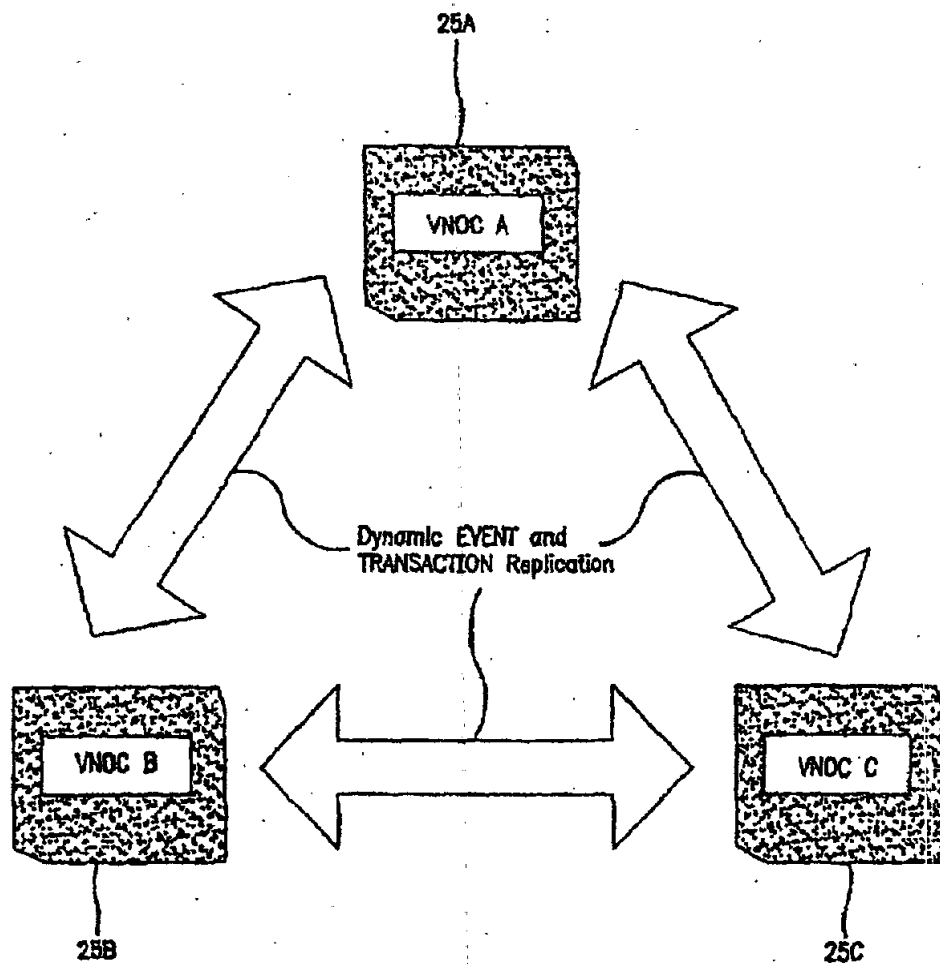


FIG. 14

PARTIES

1. Plaintiff Mesh Comm, LLC, is a Limited Liability Company organized under the laws of the State of Delaware having its principal place of business at 1162 Fairway Gardens, Atlanta, Georgia 30319.

2. Upon information and belief, Defendant PEPCO Energy Services is a Delaware Corporation with its headquarters located at 1300 North 17th Street, Suite 1600, Arlington, Virginia 22209, and which engages in substantial business activity in the State of Maryland.

3. Upon information and belief, Defendant PEPCO Holdings, Inc. is a Delaware corporation with its headquarters located at 701 9th Street N.W., Washington, D.C. 20068. Through its subsidiaries, it generates substantial revenue from business conducted in the State of Maryland.

4. Upon information and belief, Defendant Silver Spring Networks is a Delaware corporation with its principal place of business at 555 Broadway Street, Redwood City, California 94063. It is believed that Defendant Silver Spring Networks sells or leases its products to the PEPCO Defendants for use and business activity in the State of Maryland.

JURISDICTION AND VENUE

5. This action arises under the Patent Laws of the United States, 35 U.S.C. §1, et seq. including 35 U.S. §§27(a), 281, 283, 284 and 285.

6. This Court has jurisdiction over this action pursuant to 29 U.S.C. §§ 1331, 1332(a)(1) and 1338(a).

7. Venue is proper in this judicial district pursuant to 28 U.S.C. § 1400(b) and 28 U.S.C. § 1391(b) and (c) as the conduct complained of generally occurred in Maryland.

8. Upon information and belief, Defendants are subject to personal jurisdiction in the State of Maryland by virtue of, among other things, doing substantial business and committing acts of infringement in Maryland including in this Judicial district, through agents and representatives and/or otherwise having substantial contact with this State and this judicial district.

FACTUAL BACKGROUND

9. On May 27, 2008, United States Patent No. 7,379,981 entitled "WIRELESS COMMUNICATION ENABLED METER AND NETWORK" (the "981 Patent"), was duly and legally issued by the United States Patent and Trademark Office ("USPTO"). A copy of the "981 Patent" is attached hereto as Exhibit A.

10. Mesh Comm, LLC is the assignee of the "981 Patent."

COUNT ONE

Infringement of the "981 Patent" by Defendants

11. Paragraphs 1 through 10 are repeated and incorporated herein by reference as if fully set forth.

12. Upon information and belief, the Defendants have infringed and continue to infringe, either directly or through the doctrine of equivalents, one or more claims of the "981 Patent" by making, using, importing, providing, offering to sell, advertising

and/or selling (directly or through intermediaries), in this District and elsewhere in the United States, wireless communication enabled meters and networks. Upon information and belief, the Defendants have also contributed to the infringement of one or more claims of the "981 Patent," in this District and elsewhere in the United States.

13. Each Defendant's aforesaid activities have been without authority and/or license from Plaintiff.

14. Plaintiff is entitled to recover from each of the Defendants the damages sustained by Plaintiff as a result of the Defendants' wrongful acts in an amount subject to proof at trial.

15. Upon information and belief, the infringement of one or more claims of the "981 Patent" by each of the Defendants is willful and deliberate. Upon information and belief, the inducement and contributory infringement of one or more claims of the "981 Patent" by each of the Defendants is willful and deliberate. As a result, Plaintiff is entitled to increased damages under 35 U.S.C. § 284 and to attorneys' fees and costs incurred in prosecuting this action under 35 U.S.C. §285 with respect to these Defendants.

16. Each Defendant's infringement of the "981 Patent" will continue to damage Plaintiff, causing irreparable harm for which there is no adequate remedy at law, unless enjoined by this Court.

WHEREFORE, Plaintiff prays for a judgment against Defendants on all counts as follows:

- A. Finding that PEPCO has infringed, actively induced infringement of, and/or contributorily infringed one or more claims of the "981 Patent;"

- B. Enjoining PEPCO, its officers, agents, attorneys, servants, and those in privity with it, including distributors and customers, from infringing the "981 Patent;"
- C. Awarding damages in an amount adequate to compensate Plaintiff for PEPCO's infringement of the "981 Patent;"
- D. Finding that Silver Spring Networks has infringed, actively induced infringement of, and/or contributorily infringed one or more claims of the "981 Patent;"
- E. Enjoining Silver Spring Networks, its officers, agents, attorneys, servants, and those in privity with it, including distributors and customers, from infringing the "981 Patent;"
- F. Awarding damages in an amount adequate to compensate Plaintiff for Silver Spring Networks' infringement of the "981 Patent;"
- G. Finding that PHI has infringed, actively induced infringement of, and/or contributorily infringed one or more claims of the "981 Patent;"
- H. Enjoining PHI, its officers, agents, attorneys, servants, and those in privity with it, including distributors and customers, from infringing the "981 Patent;"
- I. Awarding damages in an amount adequate to compensate Plaintiff for PHI's infringement of the "981 Patent;"
- J. Awarding enhanced damages pursuant to 35 U.S.C. §284;
- K. Awarding Plaintiff reasonable attorneys' fees and costs pursuant to 35 U.S.C §285 and Rule 54(d) of the Federal Rules of Civil Procedure;

- L. Awarding prejudgment and post-judgment interest; and,
- M. Granting such other and further relief as the Court deems just and proper.

Dated: October 27, 2009

Respectfully submitted,

Handwritten signature of Marc Seldin Rosen in black ink, followed by the text "/ KPC".

/s/ Marc Seldin Rosen

Marc Seldin Rosen, Fed. Bar No.: 02589

ROSEN & WARSHAW, LLC

26 South Street

Baltimore, MD 21202

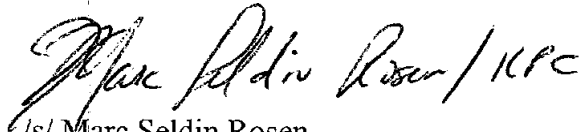
Tel: 410-244-1155

Fax: 410-244-1157

mrosen@triallaw.com

JURY TRIAL DEMAND

Plaintiff requests that this case be tried by jury.

Handwritten signature of Marc Seldin Rosen in black ink, followed by the text "/ KPC".

/s/ Marc Seldin Rosen

Marc Seldin Rosen

“EXHIBIT A”



(10) Patent No.: US 7,379,981 B2
(45) Date of Patent: May 27, 2008

6,249,516 B1	6/2001	Brownrigg et al.	
6,304,556 B1 *	10/2001	Haas	370/254
6,400,949 B1 *	6/2002	Bielefeld et al.	455/434

(Continued)

OTHER PUBLICATIONS

"AMRON Technologies Successfully Deploys Advanced Metering Solution for C&I Customers Using Bluetooth", Sep. 3, 2004, 2 pages.

(Continued)

Primary Examiner—Zarni Maung
(74) Attorney, Agent, or Firm—Pillsbury Winthrop Shaw
Pittman LLP

(57) - ABSTRACT

(51) **Int. Cl.**
G06F 15/177 (2006.01)
G06F 17/00 (2006.01)

(52) **U.S. Cl.** 709/220; 709/223; 709/231

(58) **Field of Classification Search** 709/220,
 709/223, 249, 224, 231, 245

See application file for complete search history.

A meter enabled for wireless communication and a wireless communication network are disclosed. A meter enabled for wireless communication comprises a metering device, a wireless communication system and an interface between the two. Meter data can be read, and the meter can be controlled via communication with a wireless network using, e.g., the Bluetooth™ protocol. A self-configuring wireless network is also disclosed. The wireless network includes a number of vnodes, and one or more VGATES. The vnodes are devices that are enabled for wireless communication using, e.g., the Bluetooth™ protocol. Vnodes are operative to form ad hoc piconet connections. The one or more VGATES comprise computer network gateways that are enabled for wireless communication using, e.g., the Bluetooth™ protocol. Thus, the VGATES enable the wireless array of vnodes to communicate with a private or public computer network to transmit data or receive commands. The network may also communicate with a VNOC system. VNOC is a universal communications adapter that enables the wireless array of vnodes to communicate (either directly or through a VGATE) with a central control facility via various wireless or wired communication media.

23 Claims, 14 Drawing Sheets

5,459,727 A *	10/1995	Vannucci	370/332
5,608,780 A	3/1997	Gensberg et al.	379/58
5,719,564 A	2/1998	Sears	340/870.02
5,727,057 A *	3/1998	Emery et al.	379/201.07
5,844,893 A	12/1998	Gollnick et al.	370/329
5,874,903 A	2/1999	Slusey et al.	340/870.02
5,898,826 A	4/1999	Pierce et al.	395/182.02
5,987,011 A *	1/1999	Toh	370/331
5,991,806 A *	11/1999	McLann, Jr.	709/224
6,075,777 A *	6/2000	Agrawal et al.	370/329
6,097,703 A	8/2000	Larsen et al.	370/254
6,246,689 B1	6/2001	Shavit	370/406

